

## **ABSTRACT**

Machine for manufacturing a continuous strip of metal lattice by means of a single flexible metal wire continuously supplying said machine, said lattice being produced by repeating a same motif of metal wire in a plane, each motif being superposed on the preceding motif with an offset of constant pitch in the axial direction in which the strip of lattice is produced, said machine comprising: a stage at which the metal wire is stored; a stage at which the machine is continuously supplied with metal wire; a shaping stage at which said wire is configured in a succession of identical motifs; a transfer stage for displacing each motif of metal wire successively towards the plane at which the strip of lattice is formed; a stage at which each motif is maintained in a plane and offset at a constant pitch before the subsequent motif arrives; and a stage at which the motifs are affixed to one another.

The invention also relates to a strip of lattice formed by repeating a single motif offset along the axis in which said strip is produced, said motifs being welded to one another on a level with at least some of their intersections, and a method of manufacturing a strip of lattice on a continuous basis by means of a single metal wire, characterised by the following steps: winding the metal wire around a shaping drum so that each turn then constitutes an identical motif; separating the turns in the direction of the axis of the shaping drum; depositing the turns on a shaping plane of the lattice oriented perpendicular to said axis of the shaping drum; continuously displacing said plane, in synchronisation with the winding, separating and depositing speeds of the

turns in order to create an offset between the turns and form the succession of said repetitive patterns of the lattice; and welding at least some of the intersection points of said motifs constituting the lattice.